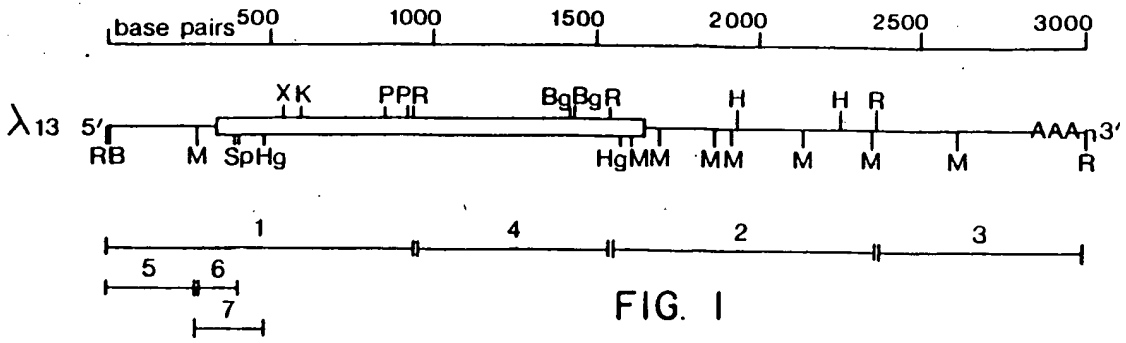

base pairs 500 1000 1500 2000 2500 3000
λ13 5′
RB M SpHg
XK PPR BgBgR
HgMM MM M M M
H H R
AAAn3′
R
1 4 2 3
5 6
7

FIG. 1

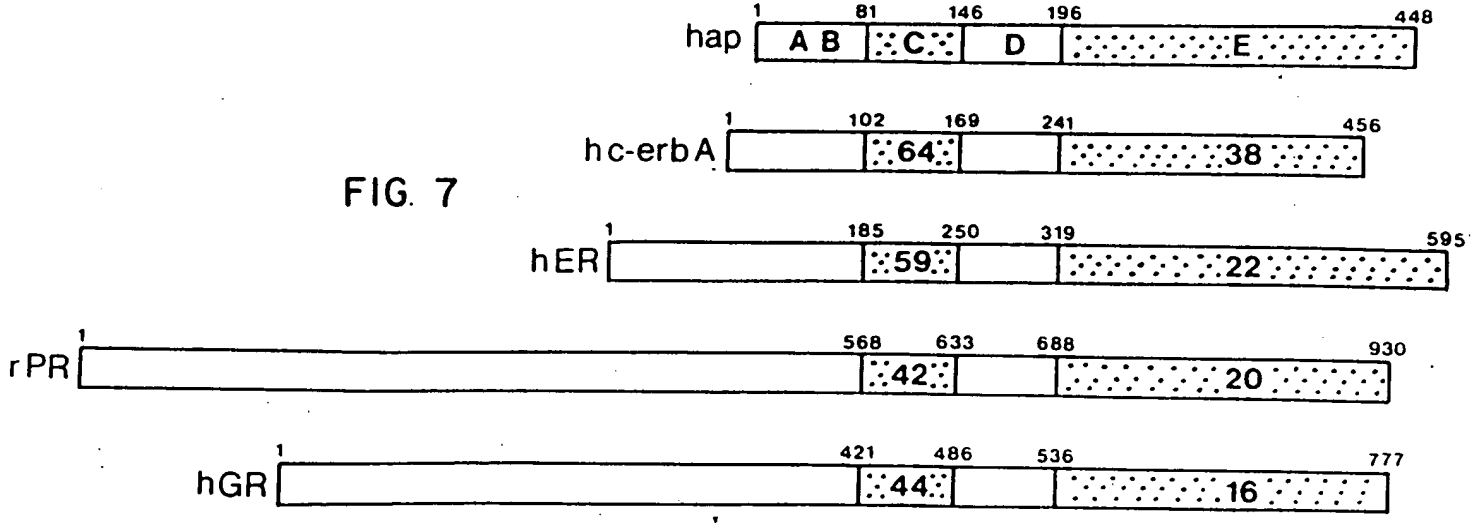

hap
1 81 146 196 448
A B C D E
hc-erbA
1 102 169 241 456
64 38
hER
1 185 250 319 595
59 22
rPR
1 568 633 688 930
42 20
hGR
1 421 486 536 777
44 16

FIG. 7

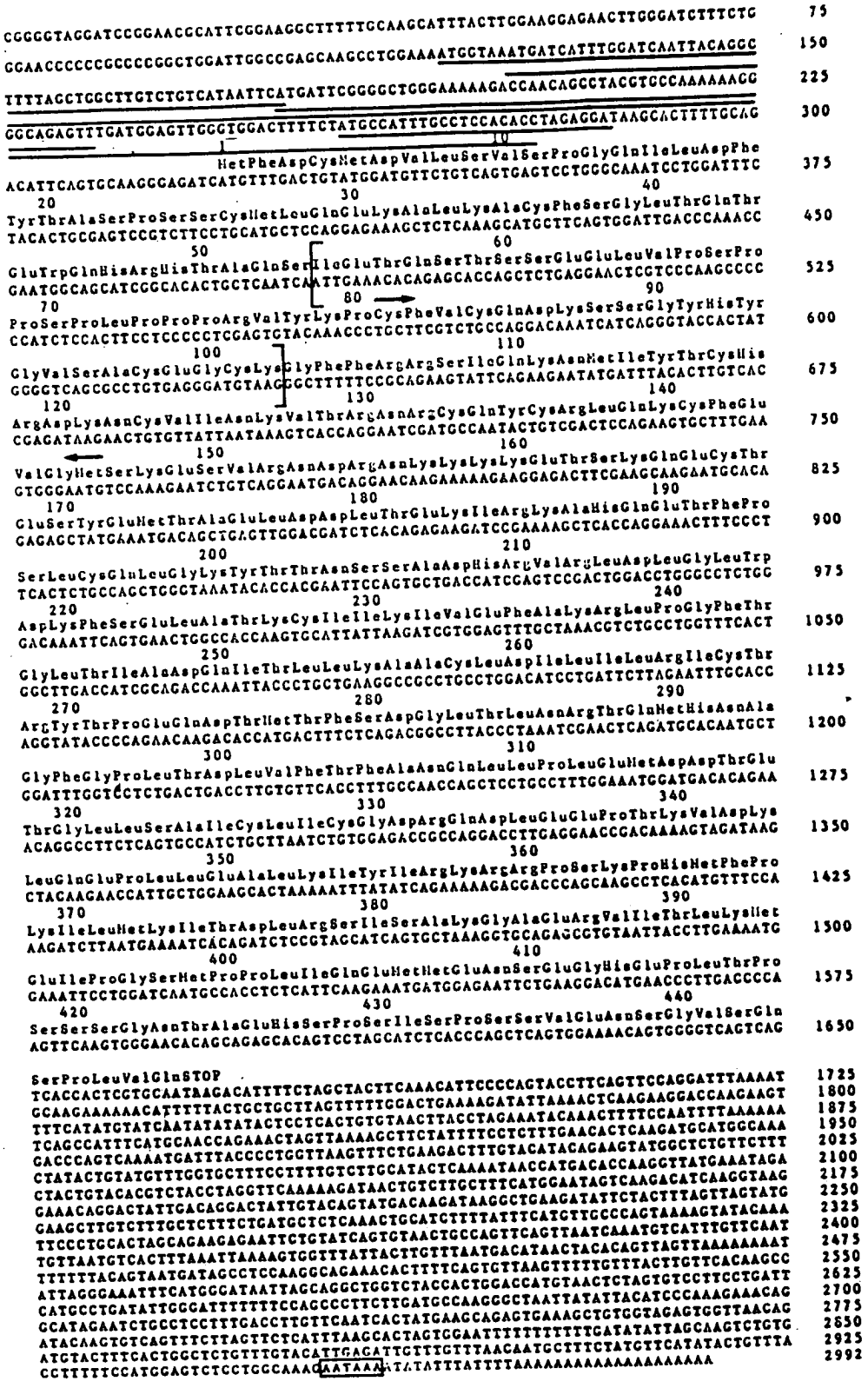


FIG. 2

FIG. 3

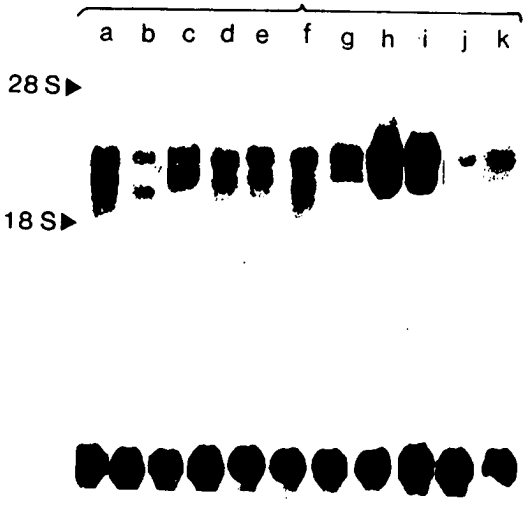
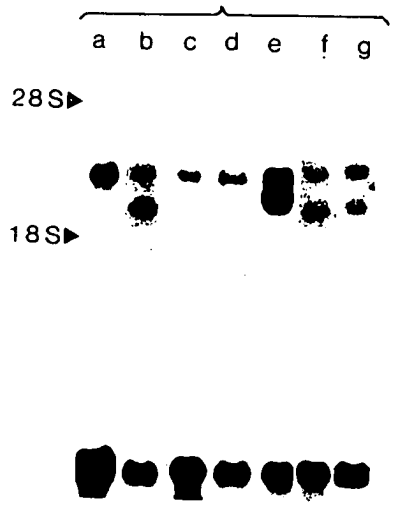


FIG. 4



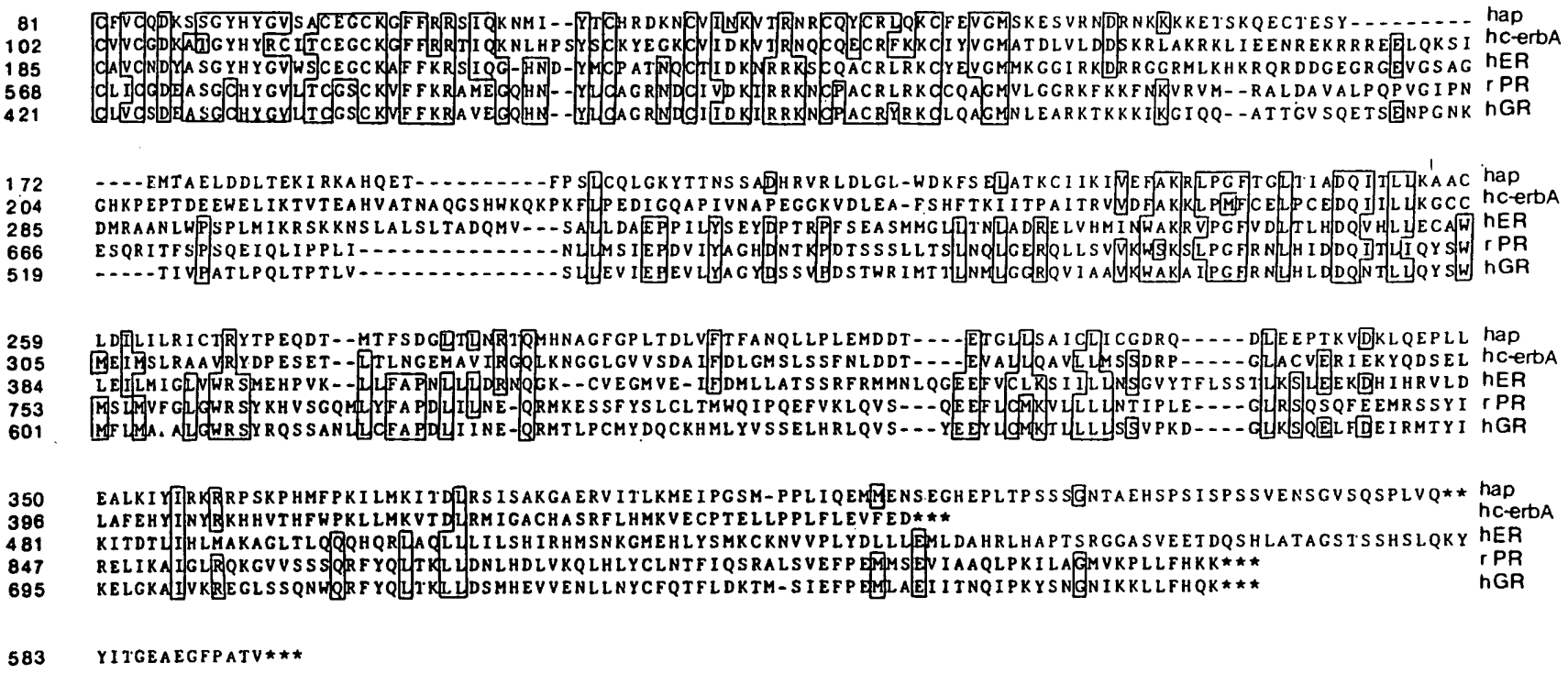

81 CFVCQDKSSGYHYGVSACEGCKGFFRRSIQKNMI--YTCHRDKNCVINKVTRNRCQYCRLQKCFEVGMSKESVRNDRNKKKKETSKQECTESY--------- hap
102 CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLHPSYSCKYEGKCVIDKVTRNQCQECRFKKCIYVGMATDLVLDDSKRLAKRKLIEENREKRRREELQKSI hc-erbA
185 CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-HND-YMCPATNQCTIDKNRRKSCQACRLRKCYEVGMMKGGIRKDRRGGRMLKHKRQRDDGEGRGEVGSAG hER
568 CLICGDEASGCHYGVLTCGSCKVFFKRAMEGQHN--YLCAGRNDCIVDKIRRKNCPACRLRKCCQAGMVLGGRKFKKFNKVRVM--RALDAVALPQPVGIPN rPR
421 CLVCSDEASGCHYGVLTCGSCKVFFKRAVEGQHN--YLCAGRNDCIIDKIRRKNCPACRYRKCLQAGMNLEARKTKKKIKGIQQ--ATTGVSQETSENPGNK hGR
172 ----EMTAELDDLTEKIRKAHQET----------FPSLCQLGKYTTNSSADHRVRLDLGL-WDKFSELATKCIIKIVEFAKRLPGFTGLTIADQITLLKAAC hap
204 GHKPEPTDEEWELIKTVTEAHVATNAQGSHWKQKPKFLPEDIGQAPIVNAPEGGKVDLEA-FSHFTKIITPAITRVVDFAKKLPMFCELPCEDQIILLKGCC hc-erbA
285 DMRAANLWPSPLMIKRSKKNSLALSLTADQMV---SALLDAEPPILYSEYDPTRPFSEASMMGLLTNLADRELVHMINWAKRVPGFVDLTLHDQVHLLECAW hER
666 ESQRITFSPSQEIQLIPPLI----------NLLMSIEPDVIYAGHDNTKPDTSSSLLTSLNQLGERQLLSVVKWSKSLPGFRNLHIDDQITLIQYSW rPR
519 -----TIVPATLPQLTPTLV----------SLLEVIEPEVLYAGYDSSVPDSTWRIMTTLNMLGGRQVIAAVKWAKAIPGFRNLHLDDQNTLLQYSW hGR
259 LDTLILRICTRYTPEQDT--MTFSDGLTLNRTQMHNAGFGPLTDLVFTFANQLLPLEMDDT----ETGLLSAICLICGDRQ-----DLEEPTKVDKLQEPLL hap
305 MEIMSLRAAVRYDPESET--LTLNGEMAVIRGQLKNGGLGVVSDAIFDLGMSLSSFNLDDT----EVALLQAVLLMSSDRP-----GLACVERIEKYQDSEL hc-erbA
384 LEILMIGLVWRSMEHPVK--LLFAPNLLLDRNQGK--CVEGMVE-IFDMLLATSSRFRMMNLQGEEFVCLKSIILLNSGVYTFLSSTLKSLEEKDHIHRVLD hER
753 MSLMVFGLGWRSYKHVSGQMLYFAPDLILNE-QRMKESSFYSLCLTMWQIPQEFVKLQVS---QEEFLCMKVLLLLNTIPLE----GLRSQSQFEEMRSSYI rPR
601 MFLMA.ALGWRSYRQSSANLLCFAPDLIINE-QRMTLPCMYDQCKHMLYVSSELHRLQVS---YEEYLCMKTLLLLSSVPKD----GLKSQELFDEIRMTYI hGR
350 EALKIYIRKRRPSKPHMFPKILMKITDLRSISAKGAERVITLKMEIPGSM-PPLIQEMMENSEGHEPLTPSSSGNTAEHSPSISPSSVENSGVSQSPLVQ** hap
396 LAFEHYINYRKHHVTHFWPKLLMKVTDLRMIGACHASRFLHMKVECPTELLPPLFLEVFED*** hc-erbA
481 KITDTLIHLMAKAGLTLQQQHQRLAQLLLILSHIRHMSNKGMEHLYSMKCKNVVPLYDLLLEMLDAHRLHAPTSRGGASVEETDQSHLATAGSTSSHSLQKY hER
847 RELIKAIGLRQKGVVSSSQRFYQLTKLLDNLHDLVKQLHLYCLNTFIQSRALSVEFPEMMSEVIAAQLPKILAGMVKPLLFHKK*** rPR
695 KELGKAIVKREGLSSQNWQRFYQLTKLLDSMHEVVENLLNYCFQTFLDKTM-SIEFPEMLAEIITNQIPKYSNGNIKKLLFHQK*** hGR
583 YITGEAEGFPATV***

FIG. 6

FIG. 8A

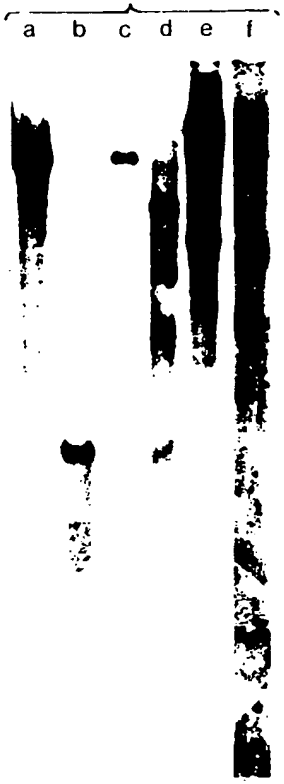


FIG. 8B

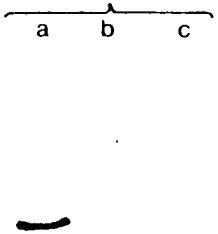


FIG. 8C

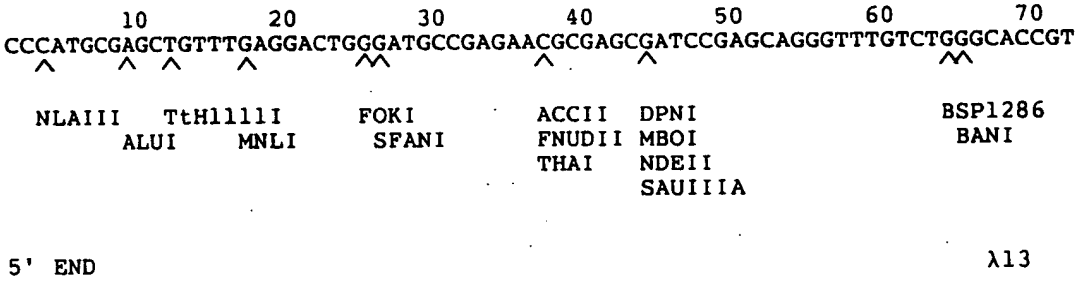

10 20 30 40 50 60 70
CCCATGCGAGCTGTTTGAGGACTGGGATGCCGAGAACGCGAGCGATCCGAGCAGGGTTTGTCTGGGCACCGT
NLAIII TtH1111I FOKI ACCII DPNI BSP1286
ALUI MNLI SFANI FNUDII MBOI BANI
THAI NDEII
SAUIIIA
5' END
λ13

FIG. 15

FIG. 16

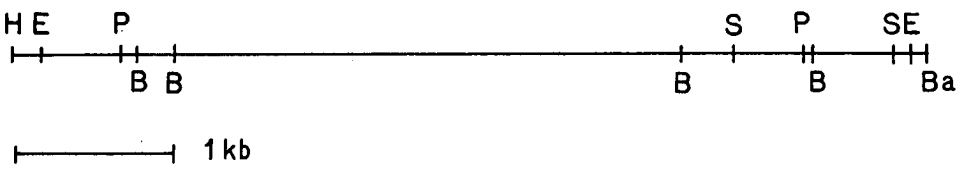


FIG. 11

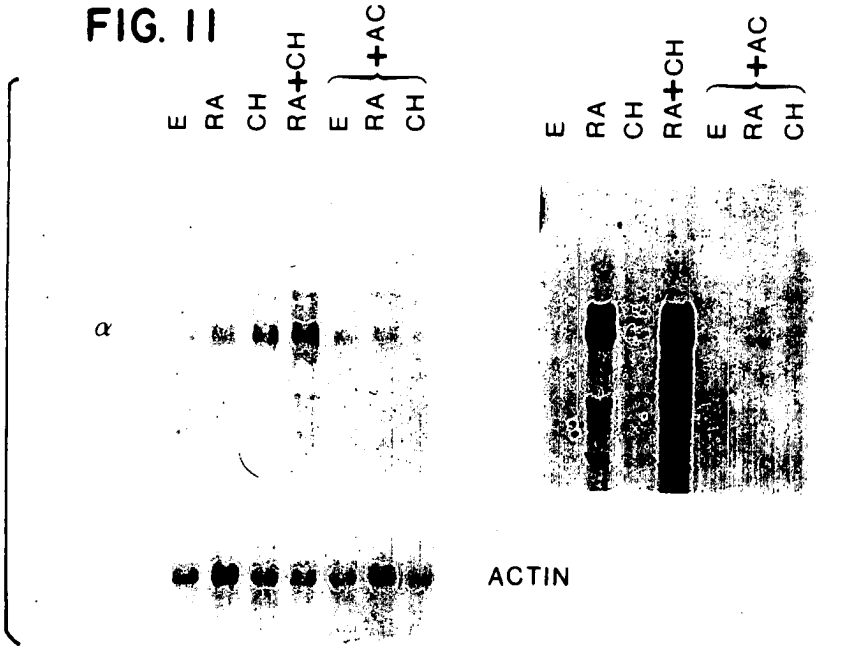


FIG. 14

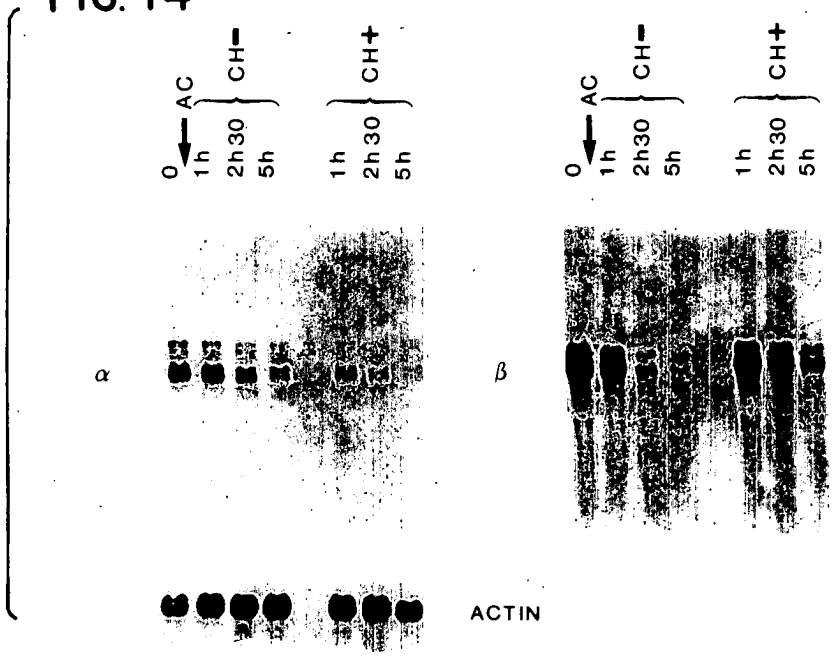


FIG. 9

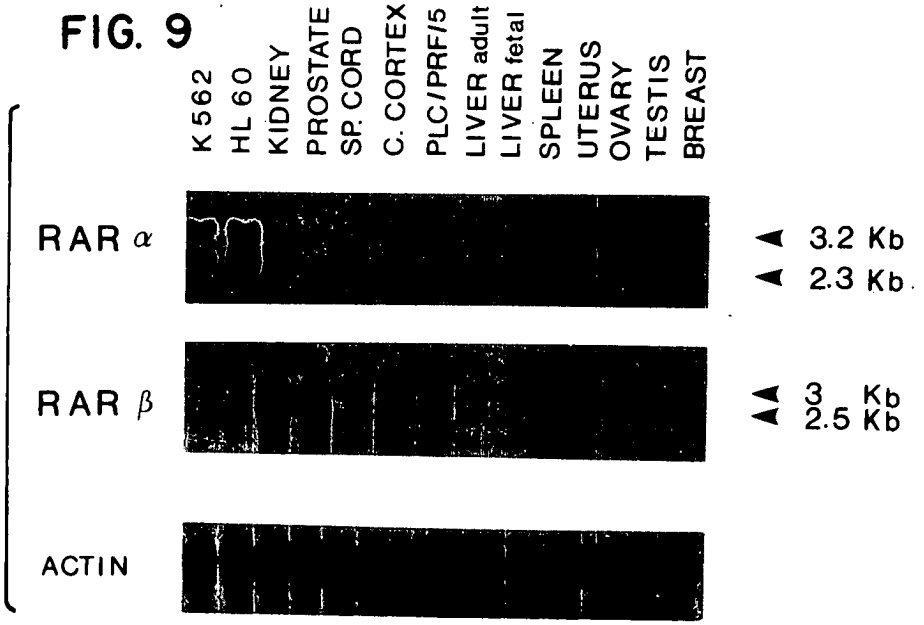
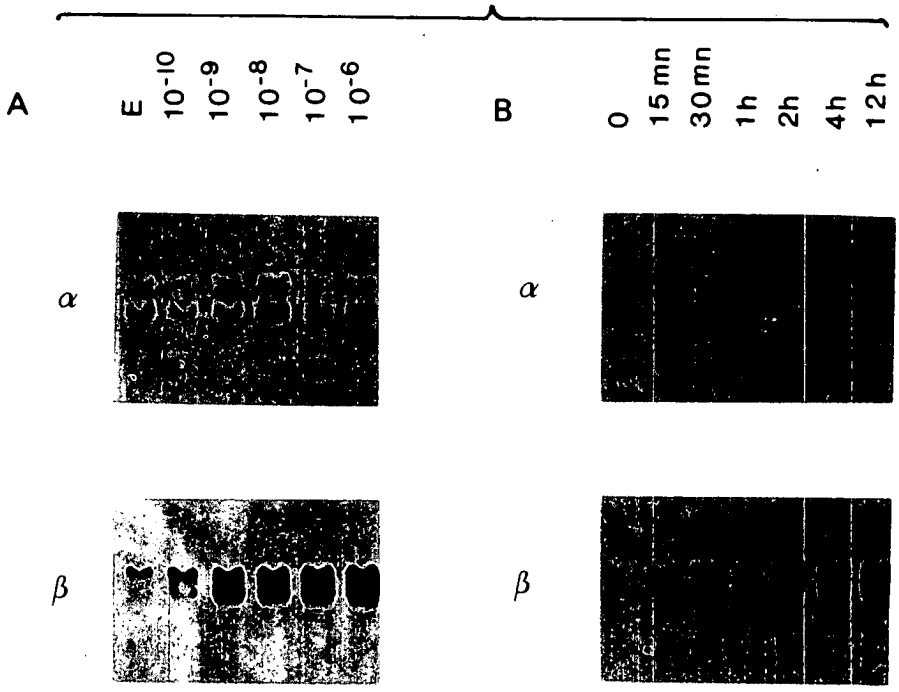

K 562
HL 60
KIDNEY
PROSTATE
SP. CORD
C. CORTEX
PLC/PRF/5
LIVER adult
LIVER fetal
SPLEEN
UTERUS
OVARY
TESTIS
BREAST
RAR α
RAR β
ACTIN
3.2 Kb
2.3 Kb
3 Kb
2.5 Kb

FIG. 10


A
E
10-10
10-9
10-8
10-7
10-6
B
0
15 mn
30 mn
1h
2h
4h
12h
α
β
α
β

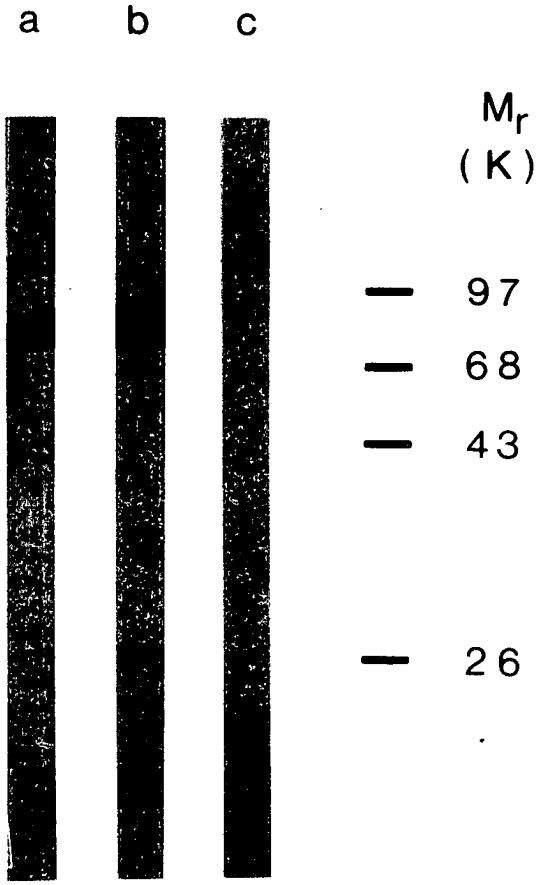

a
b
c
M_r
(K)
97
68
43
26

FIG. 12

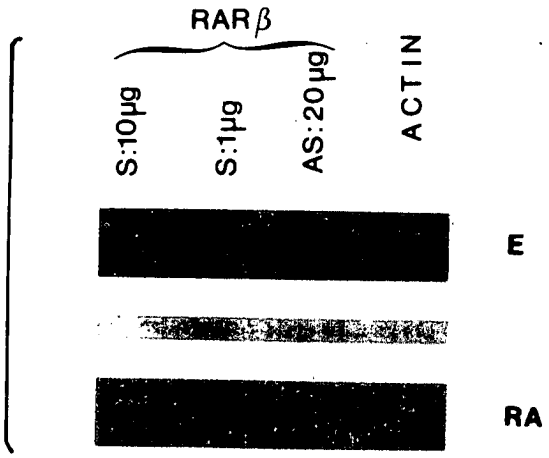
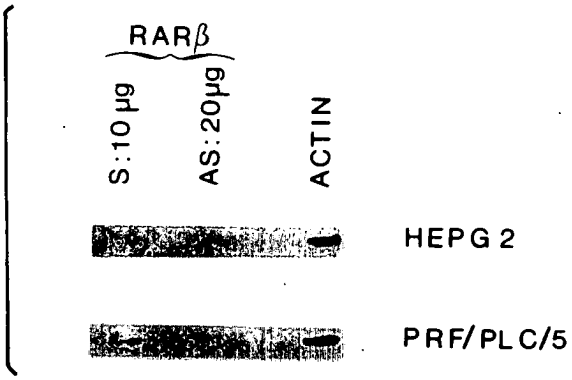

RARβ
S:10μg
S:1μg
AS:20μg
ACTIN
E
RA

FIG. 13


RARβ
S:10μg
AS:20μg
ACTIN
HEPG2
PRF/PLC/5